

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings.

Listing of Claims

1. (Currently amended) A chromatograph mass spectrometer for sequentially processing a sample, comprising:

a chromatograph portion connected to an introducing section for separating components in a sample introduced thereinto,

a flow path branch portion connected to an output of the chromatograph portion,

a mass spectrometry portion connected to a first output of the flow path branch portion for analyzing the components, and

a fraction collector connected to a second output of the flow path branch portion for collecting the respective components,

a setting device for setting a plurality of spectrometry conditions for the mass spectrometry portion beforehand,

a spectrometry execution device electrically connected to the setting device mass spectrometry portion for executing a cycle of the mass spectrometry while changing one of the spectrometry conditions set by the setting device whenever one mass scan is carried out, said spectrometry execution device sequentially executing the cycle of the mass spectrometry repeatedly, and

an operation device electrically connected to the spectrometry execution device, said operation device adding spectrum intensities within a predetermined mass range in mass

spectrum data obtained in the one mass scan plurality of spectrometry conditions whenever the one cycle of the mass spectrometry is completed, and adding sums of the spectrum intensities to obtain chromatogram data; or obtaining the chromatogram data by adding the mass spectrum data with respect to a specific mass number obtained by each mass scan, said fraction collector collecting the components based on the chromatogram data obtained by the operation device.

2. (Cancelled)

3. (Currently amended) A chromatograph mass spectrometer according to claim [[2]] 1, further comprising wherein the setting device includes a fraction control device electrically connected to the operation device for controlling the fraction collector based on the chromatogram data obtained by the operation device.

4. (Original) A chromatograph mass spectrometer according to claim 3, wherein said operation device adds the spectrum intensities in the one mass scan with an added value in another mass scan.

5. (Original) A chromatograph mass spectrometer according to claim 1, wherein said chromatograph mass spectrometer is a liquid chromatograph mass spectrometer.

6. (Original) A chromatograph mass spectrometer according to

claim 1, wherein said spectrometry execution device executes the spectrometry in a molecular ion detection mode and a fragment ion detection mode alternately.

7. (New) A chromatograph mass spectrometer according to claim 1, wherein the plurality of spectrometry conditions are different ionization modes.